

CLAIMS

What is claimed is:

1. A storage tank operable with a blocking apparatus, said blocking apparatus blocking a work-piece during lens manufacturing, said storage tank comprising:

a reservoir for holding a fixing material; and

a retractable dispensing nozzle for dispensing said fixing material on said work piece.
2. The storage tank of claim 1, wherein said work-piece is an unprocessed lens.
3. The storage tank of claim 1, wherein said retractable dispensing nozzle is maintained inside a fixture when said retractable dispensing nozzle is not in use.
4. The storage tank of claim 3, wherein said retractable dispensing nozzle is adapted to come out of said fixture for dispensing said fixing material.
5. The storage tank of claim 3, wherein said retractable dispensing nozzle is adapted to retract into said fixture after dispensing said fixing material.
6. The storage tank of claim 1, wherein said retractable dispensing nozzle includes one or more orifices.

7. The storage tank of claim 3, wherein said retractable dispensing nozzle includes a sealing mechanism that seals said fixture after said retractable dispensing nozzle is retracted into said fixture
8. The storage tank of claim 1, wherein said fixing material is a wax material.
9. An apparatus for blocking a work-piece during lens manufacturing, said apparatus comprising:
 - a fixture adapted to position on said work-piece, said fixture including a retractable dispensing nozzle for dispensing a fixing material on said work piece ; and
 - a storage tank coupled to said fixture, said storage tank including said fixing material.
10. An apparatus for blocking a work-piece during lens manufacturing, said apparatus comprising:
 - a work-piece holder adapted to hold said work-piece;
 - a fixture adapted to removably fix on said work-piece; and
 - a storage tank coupled to said fixture, said storage tank including a fixing material,

wherein said fixture includes a plurality of retractable dispensing nozzles for dispensing said fixing material on said work piece.

11. The apparatus of claim 10, wherein said fixture is an arbor.
12. The apparatus of claim 10, wherein said work-piece is an unprocessed lens.
13. The apparatus of claim 10, wherein each retractable dispensing nozzle is maintained inside said fixture when said each retractable dispensing nozzle is not in use.
14. The apparatus of claim 10, wherein each retractable dispensing nozzle is adapted to come out of said fixture for dispensing said fixing material.
15. The apparatus of claim 10, wherein each retractable dispensing nozzle is adapted to retract into said fixture after dispensing said fixing material.
16. The apparatus of claim 10, wherein each retractable dispensing nozzle includes one or more orifices.
17. The apparatus of claim 10, wherein each retractable dispensing nozzle includes a sealing mechanism that seals said fixture after said each retractable dispensing nozzle is retracted into said fixture
18. The apparatus of claim 10, wherein said fixing material is a wax material.

19. The apparatus of claim 10, wherein said work-piece holder is a seat.
20. The apparatus of claim 10, wherein said work-piece holder includes a floating mechanism for floating on a stage.
21. The apparatus of claim 10, wherein said work-piece holder includes a plurality of air-spaces that enable regulating air-pressure inside said work-piece holder.
22. The apparatus of claim 21, wherein said air-pressure determines a floating position of said work-piece holder.